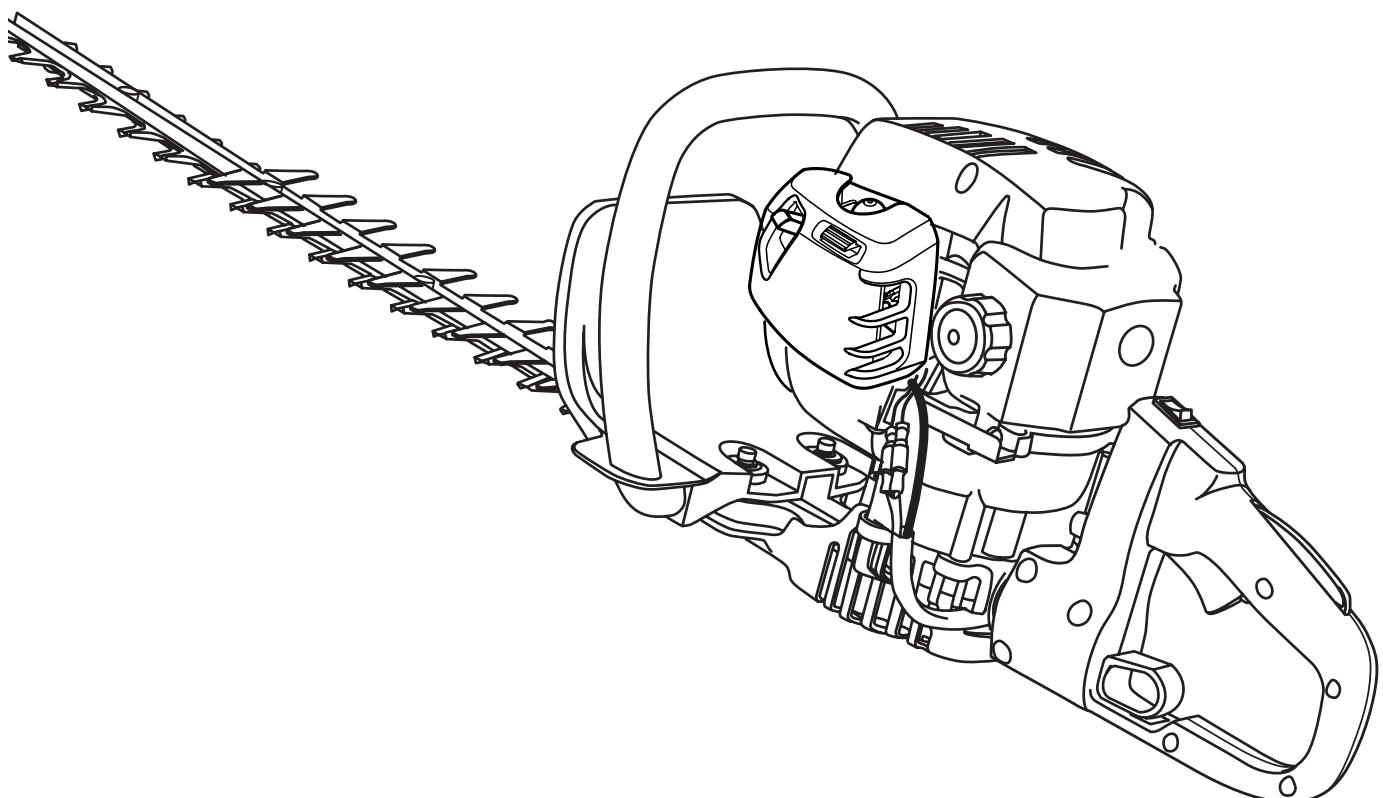


RYOBI®

RHT2660DA

PETROL HEDGE TRIMMER OPERATOR'S MANUAL



N197



ДЛ02

GENERAL SAFETY RULES

⚠ WARNING

Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or carbon monoxide poisoning which will cause death or serious personal injury.

READ ALL INSTRUCTIONS BEFORE USING THIS PRODUCT

- **DO NOT ALLOW CHILDREN OR UNTRAINED INDIVIDUALS TO USE THIS UNIT.**
- **KNOW YOUR MACHINE.** Read the operator's manual carefully. Learn the machine's applications and limitations as well as the specific potential hazards related to this machine.
- **KEEP GUARDS IN PLACE** and in working order. Never operate the machine with any guard or cover removed. Make sure all guards are operating properly before each use.
- **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from machine before turning it on.
- **TO REDUCE THE RISK OF INJURY**, keep children and visitors away. All visitors should wear safety glasses and be kept a safe distance from work area.
- **KEEP THE AREA OF OPERATION CLEAR OF ALL PERSONS**, particularly small children, and pets.
- **DO NOT OPERATE THE ENGINE IN A CONFINED SPACE** where dangerous carbon monoxide fumes can collect. Carbon monoxide is a colourless, odorless and an extremely dangerous gas and can cause unconsciousness or death.
- **USE RIGHT MACHINE.** Don't force machine or attachment to do a job it was not designed for. Don't use it for a purpose not intended.
- **DRESS PROPERLY.** Do not wear loose clothing, gloves, neckties, or jewelry. They can get caught and draw you into moving parts. Rubber gloves and non-slip footwear are recommended when working outdoors. Also wear protective hair covering to contain long hair.
- **DO NOT OPERATE THE EQUIPMENT WHILE BARE-FOOT OR WHEN WEARING SANDALS OR SIMILAR LIGHTWEIGHT FOOTWEAR.** Wear protective footwear that will protect your feet and improve your footing on slippery surfaces.
- **EXERCISE CAUTION TO AVOID SLIPPING OR FALLING.**
- **ALWAYS WEAR SAFETY GLASSES WITH SIDE SHIELDS.** Everyday eyeglasses have only impact-resistant lenses; they are NOT safety glasses.
- **DON'T OVERREACH OR STAND ON UNSTABLE SUPPORT.** Keep proper footing and balance at all times.
- **USE ONLY RECOMMENDED ACCESSORIES.** The use of improper accessories may cause risk of injury.
- **CHECK DAMAGED PARTS.** Before further use of the machine, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting and any other conditions that may affect its operation. A guard or other part that is damaged must be properly repaired or replaced by an authorised service centre to avoid risk of personal injury.
- **NEVER LEAVE MACHINE RUNNING UNATTENDED.**

TURN POWER OFF. Don't leave machine until it comes to a complete stop.

- **KEEP THE ENGINE FREE OF GRASS, LEAVES, OR GREASE** to reduce the chance of a fire hazard.
- **KEEP THE EXHAUST PIPE FREE OF FOREIGN OBJECTS.**
- **FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SAFE LOADING, UNLOADING, TRANSPORT, AND STORAGE OF MACHINE.**
- **KEEP MACHINE DRY, CLEAN, AND FREE FROM LUBRICANT AND GREASE.** Always use a clean cloth when cleaning. Never use brake fluids, petrol, petroleum-based products, or any solvents to clean machine.
- **STAY ALERT AND EXERCISE CONTROL.** Watch what you are doing and use common sense. Do not operate tool when you are tired. Do not rush.
- **DO NOT OPERATE THE PRODUCT WHILE UNDER THE INFLUENCE OF DRUGS, ALCOHOL, OR ANY MEDICATION.**
- **CHECK THE WORK AREA BEFORE EACH USE.** Remove all objects such as rocks, broken glass, nails, wire, or string which can be thrown or become entangled in the machine.
- **DO NOT USE MACHINE IF SWITCH DOES NOT TURN IT ON AND OFF.** Have defective switches replaced by an authorised service centre.
- **BEFORE CLEANING, REPAIRING, OR INSPECTING**, shut off the engine and make certain all moving parts have stopped. Disconnect the spark plug wire, and keep the wire away from the plug to prevent accidental starting.
- **AVOID DANGEROUS ENVIRONMENT.** Don't use in damp or wet locations or expose to rain. Keep work area well lit.
- **NEVER USE IN AN EXPLOSIVE ATMOSPHERE.** Normal sparking of the motor could ignite fumes.
- **DO NOT OPERATE WHILE SMOKING OR NEAR AN OPEN FLAME.**
- **DO NOT OPERATE** at night, at times of heavy fog, or at any other times when your field of vision might be limited and it would be difficult to gain a clear view of area.
- Be familiar with all controls and the proper use of the machine.
- Beware of overhead power lines.
- The cutting mechanism strikes any foreign object or the machine should start making any unusual noise or vibration, shut off the power source and allow the machine to stop. Disconnect the spark plug wire from the spark plug and take the following steps:
 1. Inspect for damage;
 2. Check for and tighten any loose parts;
 3. Have any damaged parts replaced or repaired with parts having equivalent specifications.
- Stop the engine and disconnect the spark plug wire from the spark plug before
 1. When adjusting the working position of the cutting device;
 2. Cleaning or clearing a blockage;
 3. Checking, maintenance or working on the machine.
- Do not inhale fuel fumes as they are toxic.

SPECIFIC SAFETY RULES

- **OPERATE THE UNIT WITH BOTH HANDS.**
- **DO NOT OPERATE AROUND** dry brush, twigs, cloth rags, or other flammable materials.
- **NEVER START THE MACHINE** if ice has formed in any part of the equipment.
- **DO NOT USE ACIDS, ALKALINES, SOLVENTS, FLAMMABLE MATERIAL, OR INDUSTRIAL GRADE SOLUTIONS** in this product. These products can cause physical injuries to the operator and irreversible damage to the machine.
- **NEVER ATTEMPT TO MAKE ANY ADJUSTMENTS WHILE THE ENGINE (MOTOR) IS RUNNING** (except where specifically recommended by the manufacturer).
- **PROTECTIVE COVERS MUST ALWAYS COVER ROTATING PARTS WHEN THE ENGINE IS RUNNING.**
- **KEEP COOLING AIR INTAKE** (recoil starter area) and muffler side of the engine at least 1m away from buildings, obstructions, and other burnable objects.
- **KEEP THE ENGINE AWAY FROM FLAMMABLES AND OTHER HAZARDOUS MATERIALS.**
- **KEEP AWAY FROM HOT PARTS.** The muffler and other engine parts become very hot, use caution.
- **DO NOT TOUCH THE SPARK PLUG AND IGNITION CABLE** when starting and operating the engine.
- **CHECK FUEL HOSES AND JOINTS** for looseness and fuel leakage before each use.
- **CHECK BOLTS AND NUTS** for looseness before each use. A loose bolt or nut may cause serious engine problems.
- **USE EYE AND HEAR PROTECTION DEVICES.**
- **ALWAYS REFUEL OUTDOORS.** Never refuel indoors or in a poorly ventilated area.
- **NEVER STORE THE MACHINE WITH FUEL IN THE FUEL TANK INSIDE A BUILDING** where ignition sources are present, such as hot water and space heaters, clothes dryers, and the like.
- **IF THE FUEL TANK HAS TO BE DRAINED, DO THIS OUTDOORS.**
- **TO REDUCE THE RISK OF FIRE AND BURN INJURY,** handle fuel with care. It is highly flammable.
- **DO NOT SMOKE WHILE HANDLING FUEL.**
- **ADD FUEL BEFORE STARTING THE ENGINE.** Never remove the cap of the fuel tank or add fuel while the engine is running or when the engine is hot.
- **LOOSEN FUEL CAP SLOWLY** to release pressure and to keep fuel from escaping around the cap.
- **REPLACE ALL FUEL TANK AND CONTAINER CAPS SECURELY.**
- **WIPE SPILLED FUEL FROM THE UNIT.** Move 9m away from refueling site before starting engine.
- **IF FUEL IS SPILLED,** do not attempt to start the engine but move the machine away from the area of spillage and avoid creating any source of ignition until fuel vapors have dissipated.
- **NEVER ATTEMPT TO BURN OFF SPILLED FUEL UNDER ANY CIRCUMSTANCES.**
- **BEFORE STORING, ALLOW THE ENGINE TO COOL.**
- **STORE FUEL IN A COOL, WELL-VENTILATED AREA,** safely away from spark and/or flame-producing equipment.
- **STORE FUEL IN CONTAINERS** specifically designed for this purpose.
- **EMPTY FUEL TANK AND RESTRAIN THE UNIT FROM MOVING** before transporting in a vehicle.
- **WHEN SERVICING USE ONLY IDENTICAL RYOBI REPLACEMENT PARTS.** Use of any other parts may create a hazard or cause product damage.
- **MAKE SURE MINIMUM CLEARANCE** of 1m is maintained from combustible materials.
- **SAVE THESE INSTRUCTIONS.** Refer to them frequently and use them to instruct other users. If you loan someone this tool, loan them these instructions also.
- Never operate the product without the safety guard in place and in good condition.
- Keep the working area free from wires, nails, metallic cable, glass, stones and debris.
- Do not cut against hard objects, this could cause injury or damage the trimmer.
- Do not cross roads or gravel paths with the trimmer still running.
- As equipment user, you are responsible for third parties in the working area.
- While operating the tool, always hold it firmly with both hands by the two handles and ensure a firm footing, especially if steps or ladders are used. Don't touch the blades!
- Make sure you hold the tool firmly with both handles and that you are well balanced with your weight evenly distributed on both feet.
- Keep the cutting system below level of your waist.
- Keep your fingers and other body parts away from the cutting blade.

CAUTION:

- Certain parts of the machine may become hot in use.
- Familiarise yourself with your surroundings and be on the alert for possible hazards which you may not notice because of the noise from the machine.
- Never grasp the tool by the blade.
- Large variation in temperature can lead to condensation inside the tool. Before use, give the machine time to adjust to the temperature of work area.
- Let the tool work at its own pace. Do not overload.
- Never attempt to use an incomplete machine or one fitted with an unauthorised modification.
- When transporting, disconnect the spark plug wire.
- During transport or storage always cover the with the scabbard.
- Do not attempt to repair the machine unless you are qualified to do so.
- Do not operate the machine with a damaged or excessively worn cutting device.
- To reduce fire hazard keep engine and silencer free of debris, leaves, or excessive lubricant.
- Always ensure all handles are fitted when using the machine.
- Know how to stop the machine quickly in an emergency.

SYMBOLS

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product better and safer.

SYMBOL	NAME	EXPLANATION
	Safety Alert Symbol	Precautions that involve your safety.
	Read the Operator's Manual	To reduce the risk of injury, user must read and understand operator's manual before using this product.
	Eye, Hearing and Head Protection	Wear eye protection and hearing protection when operating this equipment.
	Sharp cutting blades	To prevent serious injury, do not touch cutting blades.
	Operate With Two Hands	Hold and operate the hedge trimmer properly with both hands.
	Keep Bystanders Away	Keep all bystanders at least 15m away.
	No Smoking	Do not smoke when mixing fuel or filling fuel tank.
	Petrol	Use unleaded petrol intended for motor vehicle use with an octane rating of 87 ([R+M]/2) or higher.
	Lubricant	Use synthetic 2-stroke lubricant for air cooled engines.
	Mix Petrol and Lubricant	Mix the fuel mix thoroughly and also each time before refuelling.
	Switch	On/Off Switch I = ON to Run O = OFF to Stop
	Wet Conditions Alert	Do not use in rain or wet conditions.

SYMBOLS

The following signal words and meanings are intended to explain the levels of risk associated with this product.

SYMBOL	SIGNAL	MEANING
	DANGER:	Indicates an imminently hazardous situation, which, if not avoided, will result in death or serious injury.
	WARNING:	Indicates a potentially hazardous situation, which, if not avoided, could result in death or serious injury.
	CAUTION:	Indicates a potentially hazardous situation, which, if not avoided, may result in minor or moderate injury.
	CAUTION:	(Without Safety Alert Symbol) Indicates a situation that may result in property damage.

SERVICE

Servicing requires extreme care and knowledge and should be performed only by a qualified service technician. For service we suggest you return the product to the nearest **AUTHORISED SERVICE CENTRE** for repair. When servicing, use only identical replacement parts.

WARNING:

To avoid serious personal injury, do not attempt to use this product until you read thoroughly and understand completely the operator's manual. If you do not understand the warnings and instructions in the operator's manual, do not use this product. Call Ryobi customer service for assistance.

WARNING:

The operation of any power tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning power tool operation, always wear safety goggles or safety glasses with side shields and, when needed, a full face shield. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields.

SAVE THESE INSTRUCTIONS

FEATURES

PRODUCT SPECIFICATIONS

Engine Displacement	26 cc
Max Engine Performance (in Accordance with ISO 8893) ...	0.67 kW
Fuel Consumption (in Accordance with ISO 8893) at Max Engine Performance	0.51 L/h
Specific Fuel Consumption (in Accordance with ISO 8893) at Max Engine Performance	0.76 L/kW.h
Fuel Tank Capacity	0.3 L
Blade Type	Dual Reciprocating
Cutting Length	60 cm
Max Cutting Capacity	28 mm

Dry Weight.....	5.34 kg
Vibration Level (in accordance with Annex C of EN 774:1996+A1+A2+A3/prEN 10517:2003)	
- Front Handle (Idling / Racing)	4.5 / 23.8 m/s ²
- Rear Handle (Idling / Racing)	9.6 / 25.6 m/s ²
Sound Pressure Level at Operator's Position (in accordance with Annex D of EN 774:1996+A1+A2+A3/prEN 10517:2003) ..	105.1 dB (A)
Measured Sound Power Level (in accordance with EN ISO 3744:1995 and ISO 11094:1991)	112.1 dB (A)
Guaranteed Sound Power Level.....	113 dB (A)

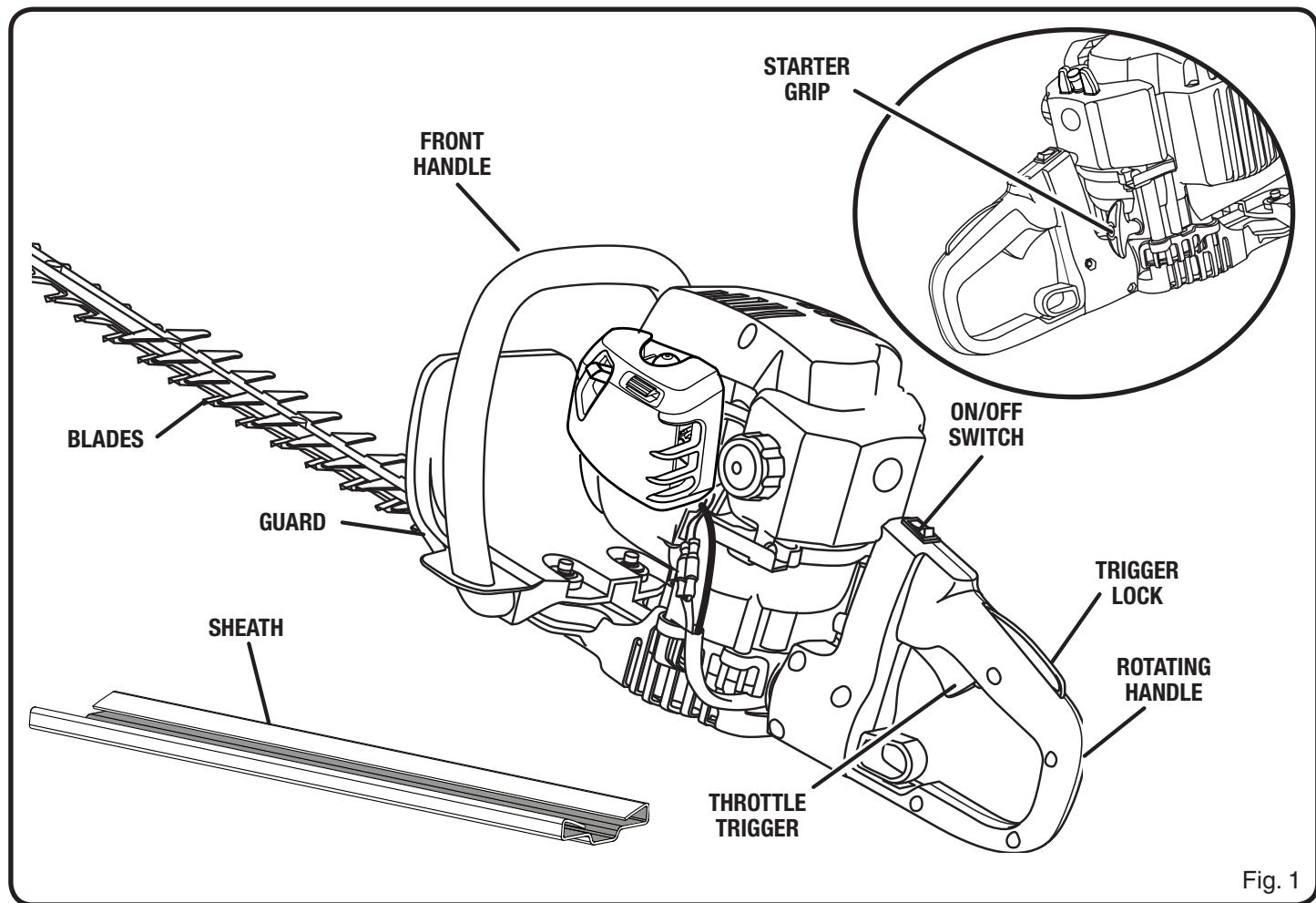


Fig. 1

KNOW YOUR HEDGE TRIMMER

See Figure 1.

The safe use of this product requires an understanding of the information on the tool and in this operator's manual as well as a knowledge of the project you are attempting. Before use of this product, familiarise yourself with all operating features and safety rules.

GUARD

The guard helps to deflect chips or other debris away from the operator's hands.

ROTATING HANDLE

The handle can be rotated to lock at either side in 45° or 90° angles for ease of use when trimming. This is a handy feature when trimming vertically or along the sides of shrubbery.

SHEATH

The sheath keeps the operator from coming in contact with the sharp blades when the tool is not in use. It also helps keep the blades from being nicked or damaged when the tool is in storage.

TRIGGER LOCK

The trigger lock prevents unintentional starting of the hedge trimmer blades.

ASSEMBLY

UNPACKING

This product has been shipped completely assembled.

- Carefully remove the product and any accessories from the box. Make sure that all items listed in the packing list are included.
- Inspect the product carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.
- If any parts are damaged or missing, please call 1300 557 442 for assistance.

PACKING LIST

Hedge Trimmer

Sheath

2-Cycle Engine Lubricant

Operator's Manual

WARNING:

If any parts are damaged or missing do not operate this product until the parts are replaced. Failure to heed this warning could result in serious personal injury.

WARNING:

Do not attempt to modify this product or create accessories not recommended for use with this product. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

WARNING:

To prevent accidental starting that could cause serious personal injury, always disconnect the engine spark plug wire from the spark plug when assembling parts.

OPERATION

WARNING:

Do not allow familiarity with products to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

WARNING:

Always wear safety goggles or safety glasses with side shields when operating power tools. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

WARNING:

Do not use any attachments or accessories not recommended by the manufacturer of this product. The use of attachments or accessories not recommended can result in serious personal injury.

APPLICATIONS

You may use this product for the purposes listed below:

- Trimming and shaping hedges and shrubbery.

FUELING AND REFUELING THE TRIMMER

FUEL MIXTURE

This product is powered by a 2-cycle engine and requires pre-mixing petrol and 2-cycle lubricant. Pre-mix unleaded petrol and 2-cycle engine lubricant in a clean container approved for petrol.

- This engine is certified to operate on unleaded petrol intended for automotive use.
- Mix high quality 2-cycle engine lubricant at 20ml per 1 litre.
- Do not use automotive lubricant or 2-cycle outboard lubricant.
- DO NOT mix quantities larger than usable in a 30-day period.

PREMIUM EXACT MIX (50:1)



PETROL

1 gallon (US)

1 litre

LUBRICANT

2.6 oz.

20 cc (20 ml)

OPERATION

FILLING TANK

- Position the hedge trimmer on its side with the fuel cap pointing upward.
- Clean surface around fuel cap to prevent contamination.
- Loosen fuel cap slowly. Rest the cap on a clean surface.
- Carefully pour fuel into the tank. Avoid spillage.
- Immediately replace fuel cap and hand tighten. Wipe up any fuel spillage.

NOTE: It is normal for smoke to be emitted from a new engine after first use.

WARNING:

Always shut off engine before fueling. Never add fuel to a machine with a running or hot engine. Move at least 10m. from refueling site before starting engine. Do not smoke! Failure to heed this warning could result in serious personal injury.

STARTING AND STOPPING

See Figures 2 - 4.

To start a cold engine:

The starting method differs depending on whether the engine is cold or warm.

- Place the hedge trimmer on level ground and ensure that no objects or obstructions are in the immediate vicinity that could come in contact with the blades.
- Hold the front handle firmly with your left hand and put your right foot onto the base of the rear handle.
- PRIME - Press the primer bulb 7 times.
- SET the start lever to the START position.
- PULL the rope until the engine starts.
- Allow the engine to run for 6-10 seconds.
- Squeeze throttle trigger lock and throttle trigger.

NOTE: Squeezing and releasing the throttle trigger releases the start lever to the RUN position.

To start a warm engine:

- SET the start lever to the RUN position.
- PULL the rope until the engine starts.

To stop the engine:

- Press and hold the on/off switch in the stop "O" position until the engine stops.

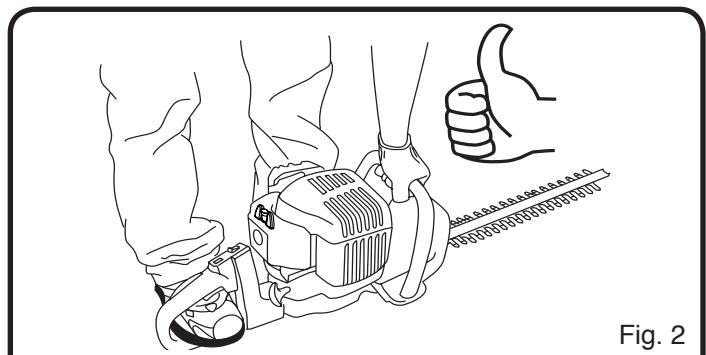


Fig. 2

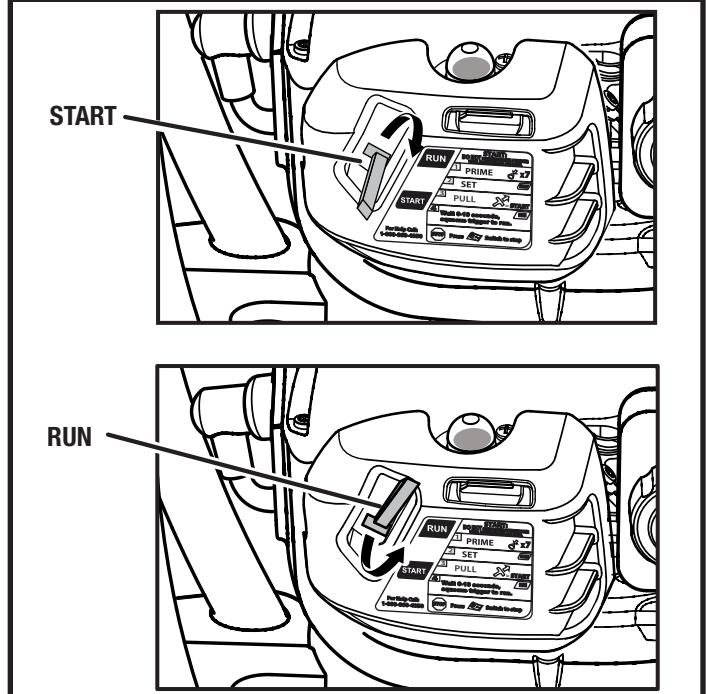


Fig. 3

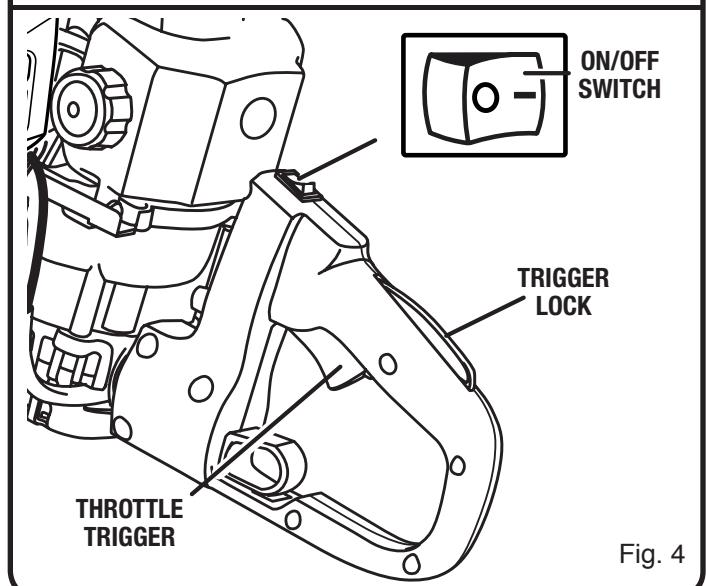


Fig. 4

OPERATION

WARNING:

When the engine starts with the throttle trigger locked, the blades will move. Keep body, objects, and obstructions away from blades. Failure to keep away from the blades can result in serious injury.

ROTATING HANDLE

See Figure 5.

The handle can be rotated 45° or 90° to the left or to the right.

To rotate handle:

- Shut off the hedge trimmer.
- Disengage the throttle trigger.
- Pull back on the rotating handle knob.
- Turn handle to the right or to the left.
- Release rotating handle knob.
- Keep turning handle until it locks into place in one of the 45° or 90° positions.

NOTE: The trimmer will only operate at one of these locked positions. The handle is locked when the rotating handle knob is securely into place, is not extended, and the handle will no longer move to either side.

CUTTING TIPS

See Figure 6.

WARNING:

Always keep both hands on the hedge trimmer handles. Never hold shrubs with one hand and operate hedge trimmer with the other. Failure to heed this warning can result in serious injury.

WARNING:

Clear the area to be cut before each use. Remove all objects such as cords, lights, wire, or loose string which can become entangled in the cutting blade and create a risk of serious personal injury.

- Do not force the hedge trimmer through heavy shrubbery. This can cause the blades to bind and slow down. If the blades slow down, reduce the pace.
- Do not attempt to cut stems or twigs that are larger than 28 mm. thick, or those obviously too large to feed into the cutting blade. Use a non-powered hand saw or pruning saw to trim large stems.
- If blades do become jammed, stop the engine, allow the blades to stop, and remove the obstruction.
- If desired, you can use a string to help cut your hedge level. Decide how high you want the hedge. Stretch a piece of string along the hedge at the desired height. Trim the hedge just above the guide line of string. Trim the side of a hedge so that it will be slightly narrower at the top. More of the hedge will be exposed when shaped this way, and it will be more uniform.
- Always wear gloves when using the hedge trimmer. When

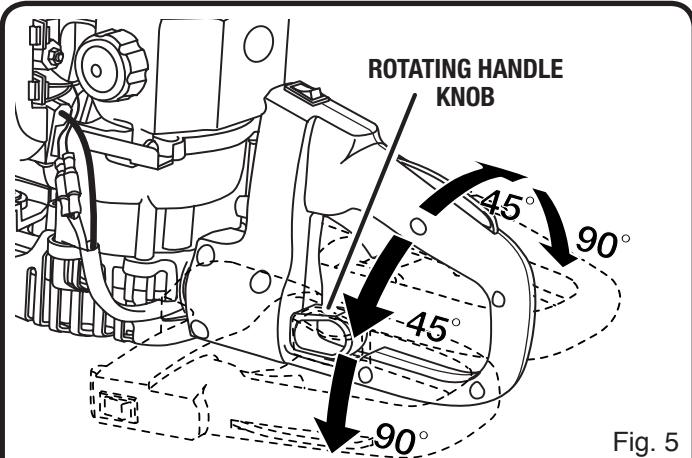


Fig. 5

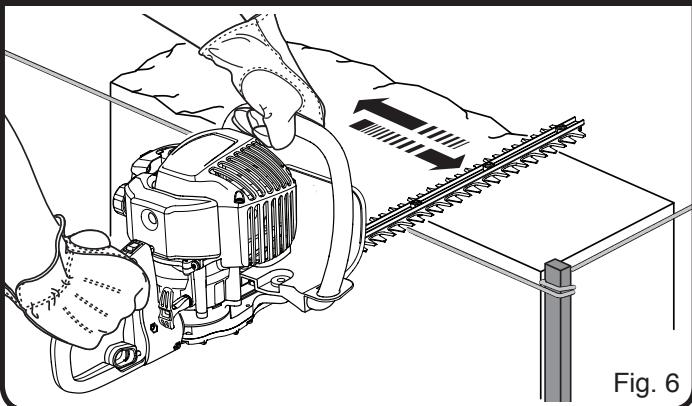


Fig. 6

trimming new growth, use a wide sweeping action, so that the stems are fed directly into the cutting blade. Older growth will have thicker stems and will be trimmed easiest by using a sawing movement.

OPERATING THE HEDGE TRIMMER

WARNING:

Read the safety information for safe operation using the blade. Extreme care must be taken when using blades to ensure safe operation. Refer to Specific Safety Rules.

- Always hold hedge trimmer with both hands when operating. Use a firm grip on the handles. The unit is used for cutting in either direction in a slow, sweeping action from side to side.
- The hedge trimmer should be positioned so that your body will not come into contact with the muffler on the power head. Stand so that you are stable and balanced on both feet.
- Inspect and clear the area of any hidden objects.
- Never use the hedge trimmer near power lines, fencing, posts, buildings, or other immovable objects.
- Never use a blade after hitting a hard object without first inspecting it for damage. Do not use if any damage is detected.

MAINTENANCE

⚠ WARNING:

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

⚠ WARNING:

Always wear safety goggles or safety glasses with side shields during product operation. If operation is dusty, also wear a dust mask.

⚠ WARNING:

Before inspecting, cleaning, or servicing the machine, shut off engine, wait for all moving parts to stop, and disconnect spark plug wire and move it away from spark plug. Failure to follow these instructions can result in serious personal injury or property damage.

GENERAL MAINTENANCE

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, lubricant, grease, etc.

⚠ WARNING:

Do not at any time let brake fluids, petrol, petroleum-based products, penetrating lubricants, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

Only the parts shown on the parts list are intended to be repaired or replaced by the customer. All other parts should be replaced at an Authorised Service Centre.

⚠ WARNING:

Blades are sharp. When handling the blade assembly, wear non-slip, heavy-duty protective gloves. Do not place your hand or fingers between blades or in any position where they could get pinched or cut. NEVER touch blades or service unit with the spark plug wire connected.

REPLACING BLADES

See Figure 7.

Periodically inspect the blades for damage and wear. Always use the manufacturer's specified replacement blades.

- Stop the engine and disconnect the spark plug wire.
- Place the hedge trimmer upside down on a workbench and remove the gear box cover screws.
- Remove the gear box cover and set aside.
- Remove the blade screws.
- Remove the old blade.
- Install the new blade and reinstall blade screws to secure.
- Install the gear box cover and reinstall gear box cover screws to secure.

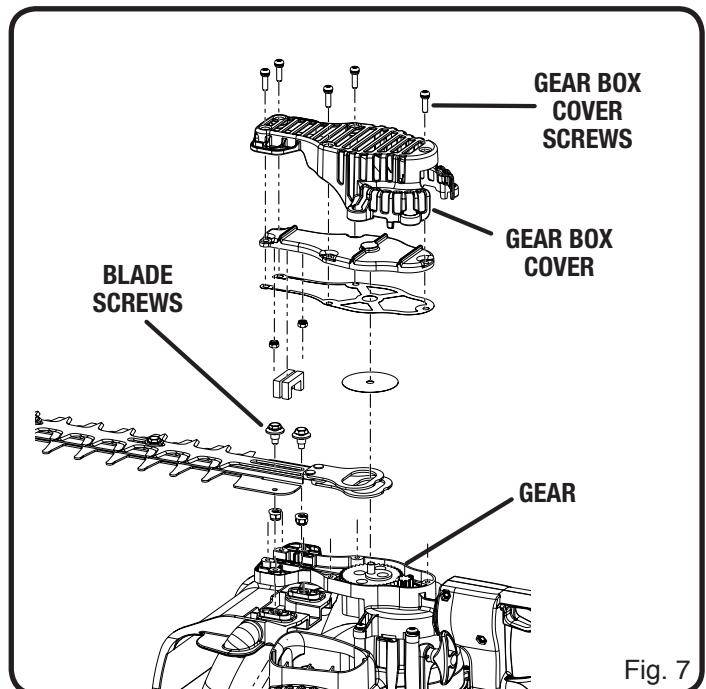


Fig. 7

MAINTENANCE

LUBRICATING THE BLADE

See Figure 8.

For easier operation and longer blade life, lubricate the hedge trimmer blade before and after each use.

- Stop the engine and disconnect the spark plug wire.
- Lay the hedge trimmer on a flat surface. Apply light weight machine lubricant along the edge of the top blade.

If you will be using the hedge trimmer for an extended period, it is advisable to lubricate the blade during use.

NOTE: Do not lubricate while the hedge trimmer is running.

- Stop the engine and disconnect the spark plug wire.
- Lubricate the hedge trimmer as described above.
- Reconnect the spark plug wire and resume use.

CLEANING THE HEDGE TRIMMER

- Stop the engine and disconnect the spark plug wire.
- Slide the scabbard over the blade.
- Clean dirt and debris from the body of the hedge trimmer, using a damp cloth with a mild detergent.

NOTE: Do not use any strong detergents on the plastic housing or the handle. They can be damaged by certain aromatic lubricants such as pine and lemon, and by solvents such as kerosene.

CLEANING THE AIR FILTER SCREEN

See Figures 9 - 10.

For proper performance and long life, keep air filter clean.

- Remove the air filter cover by pushing down on the latch with your thumb while gently pulling on the cover.
- Brush the air filter screen lightly to clean.
- Replace the air filter cover by inserting the tabs on the bottom of the cover into the slots on the air filter base; push the cover up until it latches securely in place.

NOTE: For best performance, replace annually.

FUEL CAP

WARNING:

A leaking fuel cap is a fire hazard and must be replaced immediately.

The fuel cap contains a non-serviceable filter and a check valve. A clogged fuel filter will cause poor engine performance. If performance improves when the fuel cap is loosened, check valve may be faulty or filter clogged. Replace fuel cap if required.

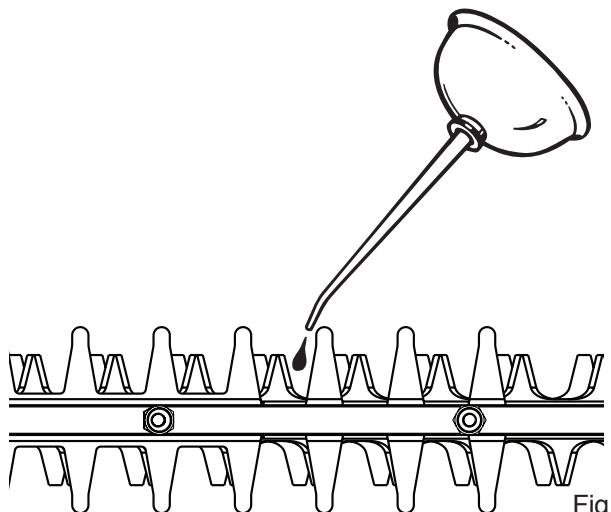


Fig. 8

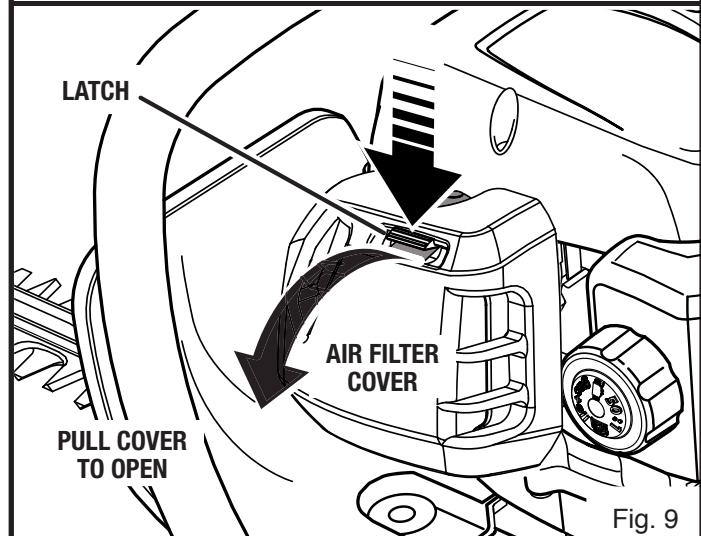


Fig. 9

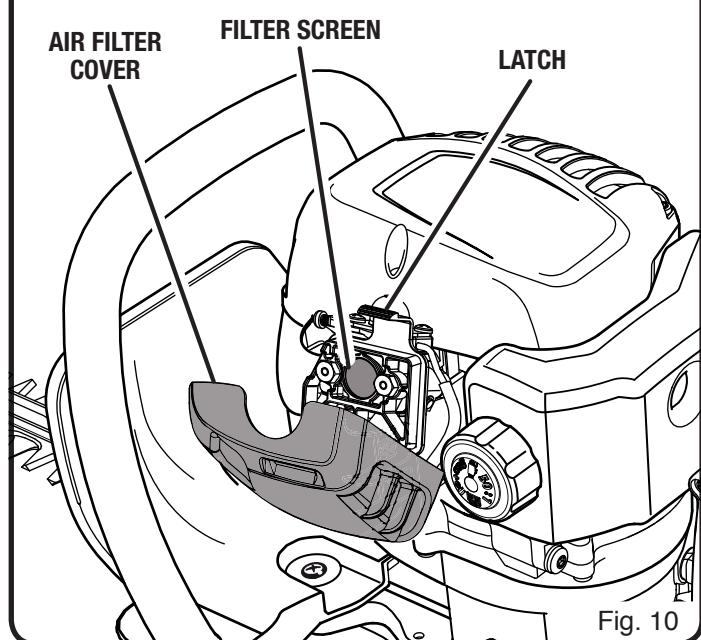


Fig. 10

MAINTENANCE

IDLE SPEED ADJUSTMENT

See Figure 11.

If the blades move at idle, the idle speed screw needs adjusting on the engine. Turn the idle speed screw counterclockwise to reduce the idle RPM and stop the blade movement. If the blades still move at idle speed, contact a service dealer for adjustment and discontinue use until the repair is made.

WARNING:

The blades should never move at idle. Turn the idle speed screw counterclockwise to reduce the idle RPM and stop the blades, or contact a service dealer for adjustment and discontinue use until the repair is made. Serious personal injury may result from the blades turning at idle.

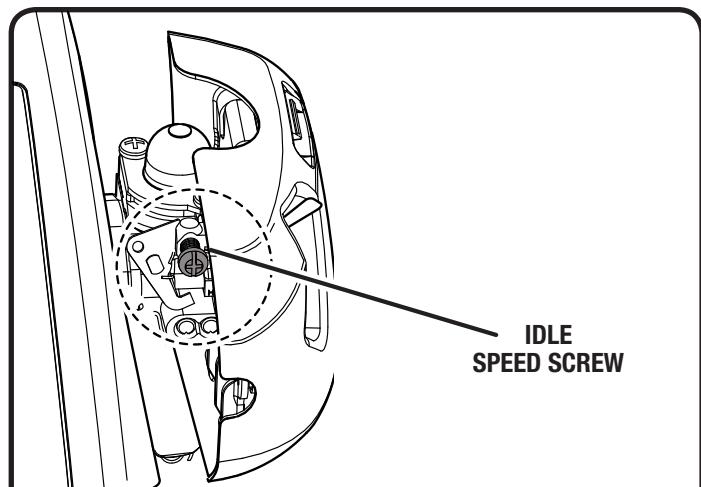


Fig. 11

SPARK PLUG REPLACEMENT

This engine uses a Champion RCJ6Y with .025 in. electrode gap. Use an exact replacement and replace annually.

CLEANING THE EXHAUST PORT AND MUFFLER

Depending on the type of fuel used, the type and amount of lubricant used, and/or your operating conditions, the exhaust port and muffler may become blocked with carbon deposits. If you notice a power loss with your gas powered tool, you may need to remove these deposits to restore performance. We highly recommend that only qualified service technicians perform this service.

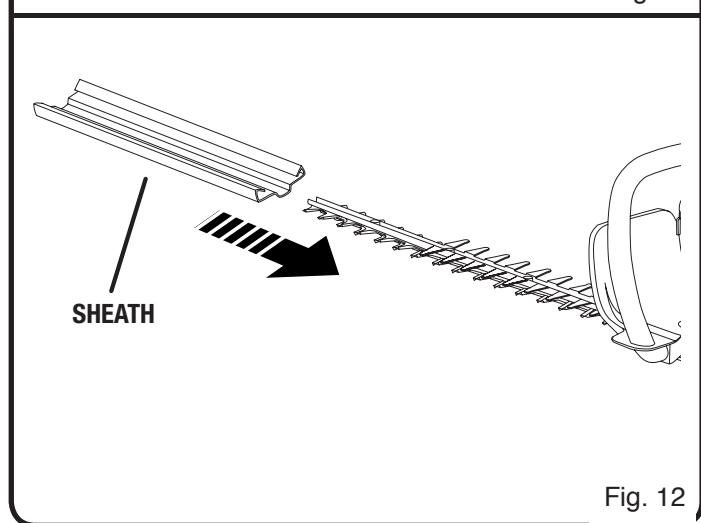


Fig. 12

SPARK ARRESTOR

The spark arrestor must be cleaned or replaced every 50 hours or yearly to ensure proper performance of the product. Spark arrestors may be in different locations depending on the model purchased. Please contact the nearest service dealer for the location of the spark arrestor for your model.

STORING THE PRODUCT

- Clean all foreign material from the product. Store idle unit indoors in a dry, well-ventilated area that is inaccessible to children. Keep away from corrosive agents such as garden chemicals.
- Abide by all ISO and local regulations for the safe storage and handling of petrol.

When storing 1 month or longer:

- Drain all fuel from tank into a container approved for petrol. Run engine until it stops.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY
Engine will not start.	No spark. No fuel. Engine is flooded. Starter rope pulls harder now than when new.	Clean or replace spark plug. Reset spark plug gap. Refer to Spark Plug Replacement earlier in this manual. Push primer bulb until bulb is full of fuel. If bulb does not fill, primary fuel delivery system is blocked. Contact a servicing dealer. If primer bulb fills, engine may be flooded, proceed to next item. Pull starter three times with choke lever at "RUN". If engine does not start, move choke lever to "START" and repeat normal starting procedure. If engine still fails to start, repeat procedure with a new spark plug. Contact a servicing dealer.
Engine starts but will not accelerate.	Engine requires approximately three minutes to warm up.	Allow engine to completely warm up. If engine does not accelerate after three minutes, contact a servicing dealer.
Engine starts but will only run at high speed at half choke.	Carburetor requires adjustment.	Contact a servicing dealer.
Engine does not reach full speed and emits excessive smoke.	Check lubricant fuel mixture. Air filter screen is dirty. Spark arrester screen is dirty.	Use fresh fuel and the correct 2-cycle lubricant mix. Clean air filter screen. Refer to Cleaning The Air Filter Screen earlier in this manual. Contact a servicing dealer.
Engine starts, runs, and accelerates but will not idle.	Idle speed screw on carburetor needs adjustment	Turn idle speed screw clockwise to increase idle speed. See figure 11. The blades should not move at idle.

EMISSIONS MAINTENANCE SCHEDULE AND WARRANTED PARTS LIST

Emissions Parts	Inspect Before Each Use	Clean Every 5 Hours	Replace Every 25 Hours or Yearly	Clean Every 25 Hours or Yearly	Replace Every 50 Hours
CATALYST MUFFLER ASSEMBLY					X
AIR FILTER ASSY					
includes:					
Filter Screen.....		X			
SPARK SCREEN.....					X
FUEL TANK ASSY					
includes:					
Fuel Lines.....	X				
Fuel Cap.....	X				
IGNITION ASSY					
includes:					
Spark Plug.....		X			
ALL EMISSIONS-RELATED PARTS ARE WARRANTED FOR TWO YEARS OR FOR THE PERIOD OF TIME PRIOR TO THE PARTS FIRST SCHEDULED REPLACEMENT WHICHEVER COMES FIRST.					

LIMITED WARRANTY

TTI warrants this outdoor product to be free of defects in material or workmanship for 24 months from the date of purchase by the original purchaser, subject to the limitations below. Please keep your invoice as proof of date of purchase.

This warranty is only applicable where the product is used for personal and non-commercial purposes. This warranty does not cover damage or liability caused by / due to misuse, abuse, accidental or intentional acts by user, improper handling, unreasonable use, negligence, failure by end user to follow operating procedures outlined in the user's manual, attempted repair by non-qualified professional, unauthorized repair, modification, or use of accessories and/or attachments not specifically recommended by authorized party.

This warranty does not cover belts, brushes, bags, bulbs or any part which ordinary wear and tear results in required replacement during warranty period. Unless specifically provided under applicable law, this warranty does not cover transportation cost or consumable items such as fuses.

This limited warranty is void if the product's original identification (trade mark, serial number, etc.) markings have been defaced, altered or removed or if product is not purchased from an authorized reseller or if product is sold AS IS and / or WITH ALL FAULTS.

Subject to all applicable local regulations, the provisions of this limited warranty are in lieu of any other written warranty, whether express or implied, written or oral, including any warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL WE BE LIABLE FOR SPECIAL, INCIDENTAL, CONSEQUENTIAL OR INCIDENTAL DAMAGES. OUR MAXIMUM LIABILITY SHALL NOT EXCEED THE ACTUAL PURCHASE PRICE PAID BY YOU FOR THE PRODUCT.

This warranty is valid only in the European Union, Australia and New Zealand. Outside these areas, please contact your authorized Ryobi dealer to determine if another warranty applies.

CE DECLARATION OF CONFORMITY

We declare in sole responsibility that the product, to which this certificate applies, conforms to the basic health and safety requirements of the Machinery Directive 98/37/EC and other relevant directives, like EMC Directive 2004/108/EC and Directive 2000/14/EC with amendment 2005/88/EC.

To effect correct application of the health and safety requirements stated in the EEC directives, the following European and/or national standards and/or technical specifications were consulted:

EN 774: 1996+A1+A2+A3/prEN 10517:2003, EN ISO 3744:1995, ISO 11094:1991,
EN ISO 12100-1:2003, EN ISO 12100-2:2003, EN 563:1994, EN 294:1992, ISO 3864-1:2002, ISO 3864-2:2004.

We declare this product complies to the requirements of the Directive 2000/14/EC with amendment 2005/88/EC.
This product has been assessed to conform to the Directive 2000/14/EC with amendment 2005/88/EC by means of unit verification by TÜV Rheinland Product Safety GmbH.

Measured sound power level [dB (A)]:	112.1
Guaranteed sound power level [dB (A)]:	113
Date of issuance:	11/2007

Technical documents are kept by Homelite Far East Co., Ltd. 24/F, 388 Castle Peak Road, Tsuen Wan, N. T., Hong Kong.
Declared in 11/2007 by Homelite Far East Co., Ltd.

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Type: **RHT2660DA**

Name / title: Andrew Eyre
Vice President, Engineering
Signature: 